

Title (en)  
Reverse Link Power Control For An OFDMA System

Title (de)  
Rückwärtsverknüpfungs-Leistungssteuerung für ein OFDMA-System

Title (fr)  
Commande de puissance de liaison inverse pour système OFDMA

Publication  
**EP 2521280 A1 20121107 (EN)**

Application  
**EP 12173202 A 20060822**

Priority  
• EP 06813674 A 20060822  
• US 71040405 P 20050822  
• US 75681606 P 20060105

Abstract (en)  
Techniques for performing power control of multiple channels sent using multiple radio technologies are described. In one aspect, a reference transmit power level is determined, errors in signalling sent on a control channel is detected for, and transmit power of the control channel is then adjusted based on the reference transmit power level and the detected errors on the control channel.

IPC 8 full level  
**H04B 7/005** (2006.01); **H04B 1/69** (2011.01); **H04J 13/00** (2011.01); **H04W 52/14** (2009.01); **H04W 52/16** (2009.01); **H04W 52/20** (2009.01); **H04W 52/24** (2009.01); **H04W 52/32** (2009.01)

CPC (source: EP KR US)  
**H04B 17/391** (2015.01 - KR); **H04L 1/18** (2013.01 - KR); **H04W 52/08** (2013.01 - KR); **H04W 52/12** (2013.01 - KR); **H04W 52/146** (2013.01 - EP KR US); **H04W 52/16** (2013.01 - EP KR US); **H04W 52/20** (2013.01 - EP KR US); **H04W 52/241** (2013.01 - EP KR US); **H04W 52/243** (2013.01 - KR); **H04W 52/247** (2013.01 - EP KR US); **H04W 52/248** (2013.01 - EP KR US); **H04W 52/325** (2013.01 - EP KR US); **H04W 52/48** (2013.01 - KR); **H04W 52/54** (2013.01 - KR); **H04W 88/06** (2013.01 - KR); **H04B 17/391** (2015.01 - EP US); **H04W 52/08** (2013.01 - EP US); **H04W 52/12** (2013.01 - EP US)

Citation (search report)  
• [XP] WO 2006007317 A1 20060119 - QUALCOMM INC [US], et al  
• [XII] EP 1467498 A1 20041013 - CIT ALCATEL [FR]  
• [XII] US 2004179494 A1 20040916 - ATTAR RASHID AHMED [US], et al  
• [XII] WO 2004025869 A2 20040325 - QUALCOMM INC [US]  
• [XII] US 2005053031 A1 20050310 - HOLTZMAN JACK [US], et al  
• [A] US 2004193971 A1 20040930 - SOONG ANTHONY C K [US], et al  
• [A] WO 9858461 A1 19981223 - ERICSSON TELEFON AB L M [SE]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**US 2007041429 A1 20070222; US 7965789 B2 20110621**; AR 055131 A1 20070808; CN 101305528 A 20081112; CN 101305528 B 20130814; CN 102325363 A 20120118; CN 102325363 B 20150819; CN 102325364 A 20120118; CN 102325364 B 20150916; DK 1932251 T3 20130402; EP 1932251 A2 20080618; EP 1932251 B1 20121219; EP 2521280 A1 20121107; EP 2521280 B1 20180627; EP 2521281 A1 20121107; EP 2521281 B1 20180307; ES 2398967 T3 20130322; ES 2671945 T3 20180611; HU E036936 T2 20180828; JP 2009506654 A 20090212; JP 2011244443 A 20111201; JP 2011244444 A 20111201; JP 2012124919 A 20120628; JP 2013168952 A 20130829; JP 2014060730 A 20140403; JP 5318905 B2 20131016; JP 5490831 B2 20140514; JP 5503040 B2 20140528; JP 5678158 B2 20150225; KR 101120193 B1 20120316; KR 101120202 B1 20120319; KR 101139092 B1 20120430; KR 20080046667 A 20080527; KR 20100087767 A 20100805; KR 20100089892 A 20100812; KR 20120003971 A 20120111; PL 1932251 T3 20130531; PT 1932251 E 20130318; TW 200729767 A 20070801; TW 201036356 A 20101001; TW 201442451 A 20141101; TW I369863 B 20120801; TW I456926 B 20141011; TW I527396 B 20160321; US 2010027451 A1 20100204; US 2010034315 A1 20100211; US 8520745 B2 20130827; US 8718181 B2 20140506; WO 2007024931 A2 20070301; WO 2007024931 A3 20070412

DOCDB simple family (application)  
**US 50778106 A 20060821**; AR P060103648 A 20060822; CN 200680038632 A 20060822; CN 201110330352 A 20060822; CN 201110330370 A 20060822; DK 06813674 T 20060822; EP 06813674 A 20060822; EP 12173202 A 20060822; EP 12173208 A 20060822; ES 06813674 T 20060822; ES 12173208 T 20060822; HU E12173208 A 20060822; JP 2008528099 A 20060822; JP 2011104650 A 20110509; JP 2011104651 A 20110509; JP 2012008882 A 20120119; JP 2013044544 A 20130306; JP 2013214209 A 20131011; KR 20087006681 A 20080319; KR 20107014300 A 20060822; KR 20107014305 A 20060822; KR 20117028748 A 20060822; PL 06813674 T 20060822; PT 06813674 T 20060822; TW 103125907 A 20060822; TW 95130825 A 20060822; TW 99114457 A 20060822; US 2006032894 W 20060822; US 51123409 A 20090729; US 51123609 A 20090729